

Application No. 10/021,035

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings of claims in the application:

LISTING OF CLAIMS:

1. (Currently amended) A method for applying a selected color space transformation profile when rendering image data, comprising the steps of:

- ~~(a)~~ providing a plurality of color space transformation profiles;
- ~~(b)~~ receiving a media attribute, the media attribute identifying a desired characteristic of a media to be used in rendering the image data;
- ~~(c)~~ selecting a color space transformation profile from the plurality of color space transformation profiles based on the received media attribute; and
- ~~(d)~~ applying the selected color space transformation profile to render the image data;

wherein the step of identifying a color space transformation profile includes providing a plurality of assignment records, each assignment record referencing a color space transformation profile, generating a transformation profile query based on the received media attribute, determining if any of the assignment records match the transformation query and if more than one assignment record matches the transformation query performing a resolution operation to identify a single assignment record and selecting the color space transformation profile associated with the identified assignment record.

2. (Original) The method of claim 1, wherein step the received media attribute includes a media white point.

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3. (Canceled)

4. (Canceled)

5. (Currently amended) The method of ~~claim 4~~ claim 1, further comprising determining a best match assignment record if none of the assignment records ~~exactly~~ match the transformation query.

6. (Currently amended) The method of ~~claim 4~~ claim 1, wherein the transformation query identifies at least one media attribute selected from the group of media attributes including media name, color, weight, coating, white point, and opacity.

7. (Currently amended) The method of claim 1, further comprising the step of rendering image data on a ~~xerographic~~ printing device using the selected color space transformation profile.

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8. (Currently amended) A system for selecting a color space transformation profile to enable rendering image data, comprising:
a storage device to store and provide a plurality of assignment records, each assignment record associating a color space transformation profile with a plurality of media attributes;
an ~~input device~~ imaging manager, the imaging manager receiving rendering attributes for the image data, the rendering attributes including to provide at least one media attribute identifying a desired characteristic of the a media type to be used in rendering the image data, and compiling a transformation query based on the received media attribute;
a color profile manager receiving the transformation query and selecting to select a color space transformation profile based on the media attribute for use in rendering the image data, the color profile manager determining if any of the assignment records match the transformation query and if more than one assignment record matches the transformation query performing a resolution operation to identify a single assignment record; and
an imager to apply the selected color space transformation profile to the image data.

9. (Currently amended) The system as claimed in claim 8, further comprising a xerographic printing device to generate an output image using image data processed with the selected color space transformation profile.

10. (Canceled)

11. (New) The system of claim 8, wherein the rendering attributes identify at least one media attribute selected from the group of media name, color, weight, coating, white point, and opacity.

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12. (New) A method selecting a color space transformation profile or use in rendering image data, comprising:

obtaining rendering attributes for the image data, the rendering attributes including at least one media attribute identifying a desired characteristic of a media to be used in rendering the image data;

compiling a transformation query based on the received media attribute;

determining if the transformation query matches any assignment records within a plurality assignment records wherein each assignment record within the plurality assignment records associates a color space transformation profile with a plurality of media attributes and if more than one assignment record matches the transformation query, performing a resolution operation to identify a matching assignment record;

and

identifying the color space transformation profile associated with the matching assignment record for use in rendering the image data.

13. (New) The method of claim 12, wherein the rendering attributes identify at least one media attribute from the group of media name, color, weight, coating, white point, and opacity.

14. (New) The method of claim 13, wherein the transformation query is further based on an emulation attribute.

15. (New) The method of claim 12, further comprising performing a match resolution operation to identify an assignment record for use as the matching assignment record if none of the assignment records match the transformation query.

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16. (New) The method of claim 15, wherein the match resolution operation includes applying a prioritized list of criteria to identify a matching assignment record.

17. (New) The method of claim 12, wherein the resolution operation includes applying a priority model to select matching assignment record from the assignment records matching the transformation query.

18. (New) The method of claim 17, wherein the priority model is based on a printing system state.

19. (New) A method selecting a color space transformation profile or use in rendering image data, comprising:

- obtaining rendering attributes for the image data, the rendering attributes including at least one media attribute identifying a desired characteristic of a media to be used in rendering the image data;
- compiling a transformation query based on the received media attribute;
- determining if the transformation query matches any assignment records within a plurality assignment records wherein each assignment record within the plurality assignment records associates a color space transformation profile with a plurality of media attributes and if none of the assignment records matches the transformation query, performing a match resolution operation to identify one matching assignment record; and
- identifying the color space transformation profile associated with the matching assignment record for use in rendering the image data.

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20. (New) The method of claim 19, wherein the rendering attributes identify at least one media attribute from the group of media name, color, weight, coating, white point, and opacity.

21. (New) The method of claim 19, further comprising performing a resolution operation to identify a matching assignment record if more than one assignment record matches the transformation query.

22. (New) The method of claim 21, wherein the resolution operation includes applying a priority model to select the matching assignment record from the assignment records matching the transformation query.